

Investigating the phase composition of...

S/135/62/000/010/001/006
A006/A101

electrode wire, 4 and 5 mm in diameter, under ceramic fluxes yielding basic slags. Prior to building-up the specimens were preheated and subsequently cooled. The effect of hard-facing with application of loads and holding at elevated temperatures upon changes in the structure and hardness was also studied. The theoretical and experimental data are in a satisfactory agreement. Conclusions: Under the experimental conditions the phase composition in multi-layer deposition, at sufficiently high C, Cr and Mn content, is mainly determined by the chemical composition of the section under investigation. When long deposits are built-up on massive parts under the described conditions, the phase composition of the deposit does practically not depend upon the number of layers. Preheating or accompanying heating has a maximum effect upon the structure and properties of the built-up metal, at a constant chemical composition of the deposit. Brief-lasting heating combined with considerable specific loads increases hardness and reduces the content of residual austenite in the metal layers which are adjacent to the operational surfaces of the part. Residual austenite in the deposit is entirely disintegrated as a result of tempering at temperatures over 550°C. There are 2 tables and 4 figures. ✓

Card 2/2

L1588

S/125/62/000/011/003/003
D040/D114

12300

AUTHORS: Bagryanskiy, K.V., and Kuz'min, G.S.

TITLE: The chemical composition and structure of welds on commercial nickel

PERIODICAL: Avtomaticheskaya svarka, no. 11, 1962, 30-36

TEXT: Results are presented of submerged-arc welding experiments on standard НП-2 (NP-2) nickel with the use of NP-2 electrode wire, ceramic ЖН-1 (ZhN-1) flux, and additions of Mn, Si, Al and Ti. The effect of the contents of different alloying elements, the conditions of the welding process, and, particularly, of the arc voltage on the weld metal structure was studied. The use of copper backing for the removal of heat had a structure-refining effect. Heating of joints to 700-800°C with subsequent air cooling made the metal structure fine and disoriented, thus providing for high mechanical properties and corrosion resistance; but heating of the welds and narrow zone of adjacent metal with gas burners to only 250-300°C

Card 1/2

The chemical composition

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and following air cooling had also a good effect. It is recommended (1) to weld with 30-34 v, (2) to alloy welds with about 1% Al and 1% Ti, and (3) to use the shortest possible arc. The article includes photomicrographs, the chemical composition of the NP-2 nickel grade and that of the ZhN-1 flux. There are 4 figures and 2 tables.

ASSOCIATION: Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute)

SUBMITTED: December 11, 1961

Card 2/2

BAGRYANSKIY, K.V., kand.tekhn.nauk; PISKLICH, V.D., inzh.

Evaluating the stabilizing effect of fluxes for automatic welding
and hard facing. Svar. proizvod. no.8:22-25 Ag '62. (MIRA 15:11)

1. Zhdanovskiy metallurgicheskiy institut.
(Flux (Metallurgy)--Testing)

BAGRYANSKIY, K. V., kand. tekhn. nauk; KAL'YANOV, V. N., inzh.

Investigating the phase composition of certain multilayer
facings. Svar. proizv. no.10:9-12 0 '62.

(MIRA 15:10)

(Hard facing)

(Phase rule and equilibrium)

BAGRYANSKIY, K. V.; KUZ'MIN, G. S.

Chemical composition and structure of welded joints in commercial nickel. Avtom. svar. 15 no.11:30-36 N '62.
(MIRA 15:10)

1. Zhdanovskiy metallurgicheskiy institut.

(Nickel—Welding)

BAGRYANSKIY, Konstantin Vladimirovich; KUZ'MIN, Gennadiy Sergeyevich;
DYATLOV, V.I., kand. tekhn. nauk, retsenzent; GORNOSTAYPOL'SKAYA,
M.S., tekhn. red.

[Welding nickel and its alloys] Svarka nikelia i ego splavov.
Moskva, Mashgiz, 1963. 163 p. (MIRA 16:10)
(Nickel--Welding)

S/125/63/000/003/008/012
A005/A101

AUTHORS: Bagryanskiy, K. V., Kuz'min, G. S., Tokiy, N. N.
TITLE: Welding nickel with low-carbon and stainless steels
PERIODICAL: Avtomaticheskaya svarka, no. 3, 1963, 70 - 72

TEXT: The following three methods are used to weld internal nickel facings with steel bodies in chemical equipment. 1) Single-pass overlap welding (Figure 4a); 2) two adjacent welds are covered by a coating joint (4b); 3) each sheet is welded tightly to the preceding sheet so that the second weld covers the first weld (4c). Manual arc welding of low carbon steel MCr-3 (MSt-3) and stainless steel 1X18H9T (1Kh18N9T) is performed with IJL-9 (TsL-9), 3HTY-3 (ENTU-3), and other electrodes, on d-c of reverse polarity. Electrode diameter is 3, 4 and 5 mm; welding current is 100 - 130; 140 - 170 and 170 - 210 amps, respectively. For automatic and semi-automatic electric-wave welding of nickel with low-carbon and stainless steels the Zhdanov Metallurgical Institute has developed a special ceramic (ZhN-2) flux, yielding high-quality joints without any defects. Welding is performed on d-c of reverse polarity with a short arc.

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Welding nickel with low-carbon and stainless steels

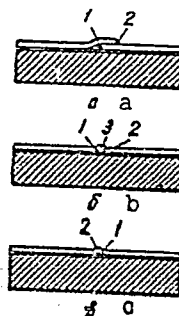
S/125/63/000/003/008/012
A006/A101

Electrode wire CB-05 X19H 9 T (Sv-05Kh19N9T) or CB-08 X19H 9 Φ 2 C (Sv-08Kh19 Φ 2 C) may be used. The mechanical properties of the weld metal, obtained by the aforementioned methods are 50.0 - 52.3 kg/cm² tensile strength; 21.5 - 39.5% elongation, and 19.0 - 22.5 kgm/cm² impact strength. Laboratory and industrial tests show the high reliability of the nickel-steel welds and their economical advantage. The methods are recommended for the manufacture of chemical equipment. There are 4 figures and 2 tables.

ASSOCIATION: Zhdanovskiy metallurgicheskii institut (Zhdanov Metallurgical Institute)

SUBMITTED: August 14, 1962

Figure 4. Sequence of welding nickel facings on steel parts



Card 2/2

BAGRYANSKIY, K.V.; KAL'YANOV, V.N.; LAVRIK, P.F.

Flaking of chromium steel layers deposited on 55Kh and 60Kh steel.
Avtom. svar. 16 no.9:26-30 S '63. (MIRA 16:10)

1. Zhdanovskiy metallurgicheskiy institut.

BAGRYANSKIY, K.V.; LAVRIK, P.F.; KAL'YANOV, V.N.

Ceramic fluxes with an iron powder. Avtom. svar. 16 no.10;
43-46 0 '63. (MIRA 16:12)

1. Zhdanovskiy metallurgicheskiy institut.

AM4006615

BOOK EXPLOITATION

S/

Bagryanskiy, Konstantin Vladimirovich; Kuz'min, Gennadiy Sergeyevich

Welding of nickel and its alloys (Svarka nikelya i yego splavov) Moscow, Mashgiz, 63. 0163 p. illus., biblio. 6000 copies printed.

TOPIC TAGS: nickel, nickel alloy, nickel alloy welding, automatic welding, manual welding, welding rod, welding flux, welding arc, arc welding

PURPOSE AND COVERAGE: The book contains basic information on the properties of nickel and some of its alloys. It deals with the most significant physical and chemical processes and structural changes which occur when these metals are welded, and with structural features of nickel welded joints. Data are presented on compositions of welding rods, electrode coatings, fluxes, and other currently used materials for nickel welding. The existing technologies of manual and mechanized welding are reviewed, and the Soviet experience in the manufacture of chemical apparatus made of nickel and its alloys is also reported. The book is based on research nickel-welding carried out by the authors in the laboratory of welding of the Zhdanovskiy metallurgicheskiy institut (Zhdanov Metallurgical Institute). It also reflects experience in commercial applications of new nickel

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welding methods. The authors were helped in their research by the welding faculty of the Zhdanovskiy metallurgicheskiy institut, the "Progress" plant in Berdichev, the "Bol'shevik" plant in Kiev, NIIMASH, and others. The book is intended for scientific workers, engineers, and technicians working in the field of welding.

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II. Features of Metallurgical Processes in Arc Welding of Nickel and Its Alloys
- - 35

III. Methods of Welding and Brazing Nickel and Its Alloys - - 68

IV. Automatic and semi-automatic electric-arc welding of nickel - - 95

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VI. Examples of welded structures of nickel - - 142

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SUB CODE: IE, MA, ML

SUBMITTED: 29Jun63

NR REF SOV: 060

Card 2/82

L 8462-65 EWT(m)/EWP(k)/EWP(q)/EWP(b) Pf-4 ASD(f)/AFMD(c)/ASD(m)-3/

REF ID: A6041481

MISSION NR: A6041481

5/0135/64/000/000/0010/

AUTHOR: Bagiyanskiy, K. V. (Candidate of technical sciences, Kalyand, V. N. Kalyand, Kalyand, A. D. Engineer

TITLE: Failure of arc-deposited metal and alloy steels under cyclic thermal shocks

NOTE: Svarshcheye proizvodstvo, No. 5, 1964, 15-18

THEM TAGS: thermal fatigue, stainless 1Kh18N9T steel, 1Kh18 steel, tool steel, arc-deposited steel, steel thermal fatigue, 1Kh18 steel thermal fatigue, 2Kh13 steel thermal fatigue, stainless steel thermal fatigue, tool steel thermal fatigue

ABSTRACT: A device and a procedure have been developed for the thermal fatigue testing of metals under the complex stresses which usually appear in a working part. A ground cylindrical specimen, clamped by its ends in the tight-fitting sockets of a rigid holder which prevents expansion or contraction of the control portion of the specimen, is subjected to repeated rapid heating and cooling. Several heat-resistant stainless and tool steels and weld deposits were tested by heating at a rate of 100 deg/sec to 680-700, 1500-200, 100

1/3

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ACCESSION NR: AF4003481

1Kh18N9T steel), followed by quenching in water at 12-15C. Of the as-rolled steels, 3Kh2V8 steel [AISI H420] failed after 210-359 cycles, 2Kh13 steel [AISI 420] after 160-200 cycles, 1Kh18N9T steel [AISI 321] after 165-179 cycles, and 40Kh steel [AISI 5140] after 1-5 cycles. Heat-treated (HPT) steel deposits of 60Kh5G2 steel (4.4-4.6, 4.19-4.34 Cr, 1.62-1.69 Mn, 0.35-0.63 Si, 0.025-0.027 Ti) and 60Kh8G2 steel (8.63-8.70, 8.18-8.42 Cr, 1.75-1.80 Mn, 0.35-0.40 Si, 0.046-0.070 Ti) failed after 1-5 cycles, i.e., in this case high strength and hardness and low ductility, the thermal fatigue resistance can be determined approximately by the Manson parameter. For weld deposits of ferrite-austenitic metal of the 1Kh18N9T type which failed after 250-350 cycles the average number of cycles to failure in the 500-9000 range is determined by the equation

$$\lg N_c = \lg N_{c0} + \frac{1}{m} \lg \frac{R}{R_0}$$

Thermal cycling has practically no effect on the microstructure, however, it strengthened steels with a ferrite structure and weakened those with an unstable one (hardened). The strengthening of deposited austenitic-ferritic metal and of the annealed 1Kh18N9T steel resulted (under experimental conditions) from the accumulation of

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ACCESSION NR: AP4043481

dislocations. The decreased hardness of deposited chromium-containing metal and of normalized 2Kh11 steel is associated with the decomposition of hardened structures accompanied by alternating elastic-plastic deformations. Orig. art. has: 5 figures and 1 table

ASSOCIATION: Zhdanovskiy Metallurgicheskii Institut (Zhdanov Metallurgical Institute)

SUBMITTED: 00

ATD PAPER: 3104

ENCL: 0

SUB CODE: MM,IE

NO REF SOU: 011

OTHER: 003

3/3

I 32257-65

EWI(m)/EWP(w)/EWA(d)/T/EWT(L)/EWP(h)

ACCESSION NO. AP4043507

80155 64 000 011 0001 0001

AUTHOR: Bagryarskiy, V.V. (Candidate of technical sciences); Kal'yanov, V.N. (Engineer); Kashov, D. G. (Candidate of technical sciences)

TITLE: The effect of vanadium, tungsten, titanium, chromium on the properties of a filler metal with an average strength.

SOURCE: Svarochnoye proizvodstvo, no. 11, 1964, 4-7

TOPIC TAGS: vanadium, tungsten, titanium, chromium, filler metal, red hardness, tempering hardness

ABSTRACT: The effect of V, W and Ti on the structure, red brittleness and other properties of a filler metal with 4-6% Cr is investigated. It is shown that the addition of V, W and Ti to the filler metal leads to a decrease in the red brittleness and an increase in the strength of the specimen. It is also shown that the addition of V, W and Ti to the filler metal leads to a decrease in the red brittleness and an increase in the strength of the specimen. It is also shown that the addition of V, W and Ti to the filler metal leads to a decrease in the red brittleness and an increase in the strength of the specimen. Cord 1.2

BOGORYANSKIY, E.V., kand. tekhn. nauk; LAVRIK, P.F., inzh.

Alloying the metal of drops in welding under ceramic flux.
Svar. protov. no.5s7-11 My '64. (NIR 18:11)

1. Zhdanovskiy metallurgicheskiy institut.

method of welding Monel by using electric

1. The first part of the report

describes the results of the investigation of Soviet weapons. Manual and some other information is given. The results of the investigation of Soviet weapons. Manual and some other information is given. The results of the investigation of Soviet weapons. Manual and some other information is given.

ASSOCIATION: The results of the investigation of Soviet weapons. Manual and some other information is given. The results of the investigation of Soviet weapons. Manual and some other information is given.

CONCLUSION: The results of the investigation of Soviet weapons. Manual and some other information is given. The results of the investigation of Soviet weapons. Manual and some other information is given.

REFERENCES: The results of the investigation of Soviet weapons. Manual and some other information is given. The results of the investigation of Soviet weapons. Manual and some other information is given.

GUBENKO, V.A., inzh.; BAGRYANSKIY, K.V., kand. tekhn. nauk

Double arc formation during gas-arc cutting. Svar. proizv. no.3:
25-26 Mr '65. (MIRA 18:5)

1. Zhdanovskiy metallurgicheskiy institut.

BAGRYANSKIY, K.V.; ZUSIN, V.Ya.; GRIGOR'YEV, Ya.Ya.; MIKHAYLOV, I.S.

Deposition of a steel layer on grey cast iron. Avtom. svar.
18 no.5:25-28 My '65. (MIRA 18:6)

1. Zhdanovskiy metallurgicheskiy institut.

L 22841-66 EWP(e)/ENT(m)/EWP(v)/EWP(j)/T/EWP(t)/EWP(k) TIP(p) JD/JW/JM/RM/WH/JH
 ACC NR: AP6011271 SOURCE CODE: UR/0413/66/000/006/0125/0125

INVENTOR: Bagryanskiy, K. V.; Kassov, D. S.; Korneyev, A. D. Penkov, O. M.

ORG: none

TITLE: Ceramic flux for welding aluminum. Class 49, No. 180074

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 125

TOPIC TAGS: welding, aluminum welding, submerged arc welding, welding flux, ceramic flux

ABSTRACT: This Author Certificate introduces a ceramic flux for submerged arc welding of aluminum which contains potassium chloride, cryolite, sodium chloride, and carboxymethyl cellulose as binder. To improve the quality of weld metal, the flux composition is set as follows (in weight parts): potassium chloride 47—48, cryolite 28—30, sodium chloride 19—20, silica 3—5, and carboxymethyl cellulose 12—13.

[ND]

SUB CODE: 11/13 SUBM DATE: 09May63/ ATD PRESS: 4229

Card 1/1 BK

L 28474-66 EWP(k)/EWI(m)/I/EWP(v)/EWP(t)/EII JD/HM

ACC NR: AP6010140

SOURCE CODE: UR/0125/66/000/003/0029/0032

AUTHOR: Gubenko, V. A.; Bagryanskiy, K. V.

ORG: [Gubenko] NIIPtmash; [Bagryanskiy] Zhdanov Metallurgical Institute (Zhdanovskiy metallurgicheskiy institut)

TITLE: Effect of certain properties of gases on the parameters of the welding arc

SOURCE: Avtomaticheskaya svarka, no. 3, 1966, 29-32

TOPIC TAGS: welder, gas property, arc welding, argon, ammonia, water vapor, hydrogen, heat conductivity / GS-500 welder

ABSTRACT: The experiments dealt with the magnitude of the welding current I_w , arc voltage U_{arc} and minimal possible arc voltage U_{min} during the automatic beading of St. 3 steel plates with Sv-08 wire electrode (diameter 2mm). The arc was exposed to air and various gases: argon, ammonia, water vapor, hydrogen. Arc burning in the vapors of electrode metals was also investigated. Power source: GS-500 welding current generator; gas consumption ~ 25 liters/min; electrode feeding rate 75-300 m/hr. These experiments primarily showed that the power of arcs burning in various gases is roughly the same given a constant electrode feeding rate and increases with this rate. Further, different voltages are required for arcs of the same power that burn in different atmospheres; then the welding current intensity varies for one and the

Card 1/2

UDC: 621.791.014

L 28474-66

ACC NR: AP6010140

same fusion rate of electrode wire. Thus, gaseous atmospheres may be arranged into a series by degree of their influence on welding current. In a decreasing sequence of current intensity this series is: arc with supply of argon; arc in vapors of electrode metals without supply of air; arcs with supply of air, ammonia, water vapor and hydrogen, respectively. This order is reversed with respect to U_{arc} and U_{min} . Arc current and voltage are most greatly affected by the heat conduction of the gases occupying and surrounding the arc gap; by contrast the effect of ionization potential, excitation potential, and dissociation energy is in this respect secondary. At high temperatures hydrogen is the gas with the highest heat conduction and argon, with the lowest. Thus, e.g. given the same arc current intensity, the increase from 1 to 2 m³/hr in the supply of argon, a gas with a low heat conduction, increases the arc voltage V_a to a lesser extent (from 90 to 100 v) than the addition of the same amount of the highly heat conducting argon-hydrogen mixture to argon (50% Ar + 50% NH₃) (V_a increases from 90 to 120 v). The increase in heat conduction of the gaseous phase increases the total arc voltage owing to the dominant increase in cathode and anode voltage drop and decrease in arc current, all other conditions remaining equal. Given the same current intensity, arcs burning in the more highly heat-conducting gases are characterized by higher electrode power and hence also greater productivity of the process. Orig. art. has: 4 figures, 2 tables.

SUB CODE: 13, 11/ 17/ SUBM DATE: 11Mar65/ ORIG REF: 012

Card 2/2 CC

Country : USSR
 CATEGORY : General Problems of Pathology. Tumors. Comparative Oncology
 Abs. Jour. : Radiol., No. 12 1958, No. 56423
 AUTHOR : Maslavskiy, L.P., Nagryanskiy, K.P., Anfimova, N.
 INST. : -
 TITLE : The X-Ray Therapy of Cancer of the Lower Lip

ORIG. PUB. : Vestn. Rentgenol. i Radiol., 1956, No.3, 31-34

ABSTRACT : Results are reported on the X-ray treatment of cancer of the lower lip in stages I, II, and III in 77 patients with observation times up to 3 years. Treatment was carried out over long periods of time with the fractional dose method, under the following conditions: 180 kV, filter 0.5 mm Cu + 1 ml Al, skin-focal distance 30 cm. Total doses were 3000-10,000 r in divided doses of 250-550 r. Some patients, in 1.5-7 months, received a second course of prophylactic X-irradiation. Regional lymph nodes were not removed in all patients. The authors believe this method of treatment of cancer of the lower lip is effective. --

CARD: I.T. Abramenko
 1/1

COUNTRY	: USSR	T
CATEGORY	: Human and Animal Physiology, The Nervous System	
ABS. JOUR.	: RZhBiol., No. 5 1959, No. 22425	
AUTHOR	: Bagryanskiy, V.	
INST.	: Inst. of Exp. Med of the Acad. of Med. Scie., USSR	
TITLE	: The Electrical Activity of the Midbrain and Cerebral Hemispheres Associated with Certain Pharmacological Agents.	
ORIG. PUB.	: Vezhegodnik. In-t eksperim. med. AMN SSR, 1956, T. 2 (M), 1957, 130--135	
ABSTRACT	: The electroencephalogram of pigeons was characterized by by rhythms of 2 to 4 oscillations per second of up to 100 microvolts and 30 to 40 oscillations per second of 25 to 50 microvolts. Light (400 lux) produced depression of the slow rhythm and augmentation of the fast waves as well as the appearance of a primary response (of up to 50 microvolts.) A rhythm of 20 to 30 oscillations per second predominated in the EEG of the midbrain (25 to 50 microvolts in amplitude); the light stimulation intensified this activity.	
Card:	1/3	

T-96

COUNTRY : USSR
CATEGORY :

ABG. JOUR. : RZhBiol., No. 5 1959, No. 22425

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : Thirty minutes after 10 ml of a 5% solution of ethyl alcohol was introduced into the stomach, a rhythm of 18 to 20 oscillations per second arose in the midbrain; the fast rhythm was preserved, and the primary light response increased by twice. The cerebral hemispheres showed a diminution of the slow rhythm (by 1½ to 2 times), and a depression of the fast waves to the point of disappearance. The primary response was occasionally seen. In deep ether narcosis, the midbrain rhythm was extinguished, and the rapid cerebral rhythm was increased. Two

Card: 2/2

ACC NR: AP6015647

(N)

SOURCE CODE: UR/0413/66/000/009/0057/0058

INVENTOR: Bagryantsev, A. L.; Frank, G. P.

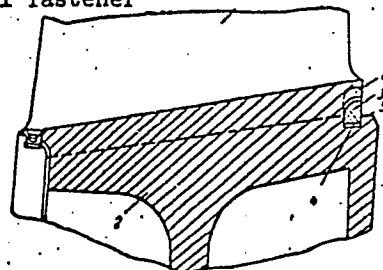
ORG: None

TITLE: Turbine working blade mounting assembly. Class 27, No. 181230

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 57-58

TOPIC TAGS: turbine blade, axial compressor, mechanical fastener

ABSTRACT: This Author's Certificate introduces a turbine working blade mounting assembly for wheels in axial compressors. The blades are fixed in an axial direction in the rotor grooves by a split lock ring. Reliability is improved by setting the lock ring in a groove in the disc. This groove forms a continuous support collar. The blade roots are equipped with lugs for limiting the radial motion of the ring.



1—blade; 2—rotor; 3—lock ring; 4—groove; 5—collar; 6—blade root lugs

SUB CODE: 13, 21/ SUBM DATE: 17Apr65

Card 1/1

UDC: 621.515-226.2

SKLYAREVSKIY, M.A., agronom-entomolog; BAGRYANTSEV, A.P., agronom-
ekonomist

Hexachloran suspensions for controlling wireworms. Zashch.
rast. ot vred. i bol. 9 no. 4:8 '64. (MIRA 17:5)

BAGRYANTSEV, N.A.; STEPCHKOV, K.A.

Results of the cooperation between science and industry.

Kons. i ov. prom. 16 no.10:18-20 0 '61.

(MIRA 14:11)

1. Syzranskiy zavod pishchevykh kontsentratorov (for Bagryantsev).
2. Tsentral'nyy nauchno-issledovatel'skiy institut konservnoy i ovozhchesushil'noy promyshlennosti.
(Canning and preserving--Equipment and supplies)

BAGRYANTSEV, Vasil'y Vasil'yevich, novator khimicheskogo proizvodstva, udarnik kommunisticheskogo truda; PEREKHVATOV, Mikhail Serafimovich, peredovoy rabochiy; LEPIN, A.E., red.

[Miraculous polymers; our experience in mastering the production of epoxy resins] Chudesnye polimery; nash opyt osvoeniia proizvodstva epoksidnykh smol. Leningrad, Lenizdat, 1965. 97 p. (MIRA 18:9)

1. TSeKh epoksidnykh smol Okhtinskogo khimicheskogo kombinata (for Perekhvatov, Bagryantsev).

BAGRYANTSEVA, F. F., OSHET, A. N. and KAYLINA, M. M.

"The Oxidation of Petroleum as a Raw Material for the Production of Greases",
p 198, in the Monograph "Investigation and Use of Petroleum Products", edited by
N. G. Puchkov, Gostoptkhizdat, Moscow-Leningrad, 1950.

BAGRYANTSEVA, P.P.

- Study and Use of Petroleum Products, ~~1957~~⁰¹⁷ Moscow, Gostoptekhzdat, 1957, 213pp.

Osher, R.N.; Zaytseva, L.D. Determination of the Saponification
Number of Petroleum Products and the Content of Free Fats in
Consistent Lubricants 185

This article first reviews in detail various methods for making the determination mentioned in the title. However, a unified method based on ordinary titration procedures is offered as being quicker and more accurate and has been accepted as standard method GOST 6764-53. There are 3 tables.

Bagryantseva, P.P.; Badayeva, M.K.; and Kaygorodtseva, R.A.
The Protection of Hydraulic Gas Containers from Corrosion 189

A review is given of efforts that have been made to produce a suitable liquid to inhibit the corrosion of hydraulic valves of gas containers. Investigation showed that carbon black increased the viscosity of the oil base, while sudan apparently had no influence. Synthetic rubbers and polyisobutylenes were used successfully as components of the protective liquid. The simultaneous introduction of a passivator and a protective liquid into the water which flows through the shut-off valve of the gas container increases the effectiveness of corrosion protection. The acidity of the liquid does not have a negative effect on its protective properties.

Study and Use of Petroleum Products 917

V.P. Pavlov and the capillary method by the Institut nefti
AN SSR (Petroleum Institute, Academy of Sciences, USSR).
There are 2 tables, 2 figures and 7 Soviet references.

Bagryantseva, P.P. and Badayeva, M.K. The Influence of the
Volatility and Viscosity of Mineral Oils on the Operational
Properties of Cold-resistant Consistent Lubricants

206

Commercial lubricants were investigated to compare their
physicochemical and volume properties, and to test their
work capacity in roller bearings on stands and under
operational conditions as well. It was concluded that
viscosity properties and work capacity of lubricants are
dependent upon the hydrocarbon content and upon the volatility
and viscosity, respectively, of their component mineral oils.
Also, volatility showed great influence on viscosity
properties, which were dependent in a linear relationship.
Experiments were carried out at an experimental station of
the ENII PP. There are 9 figures and 4 tables.

Card 16/17

2/2

104-105 106-107 108-109 110-111 112-113 114-115 116-117 118-119 120-121 122-123 124-125 126-127 128-129 130-131 132-133 134-135 136-137 138-139 140-141 142-143 144-145 146-147 148-149 150-151 152-153 154-155 156-157 158-159 160-161 162-163 164-165 166-167 168-169 170-171 172-173 174-175 176-177 178-179 180-181 182-183 184-185 186-187 188-189 190-191 192-193 194-195 196-197 198-199 200-201 202-203 204-205 206-207 208-209 210-211 212-213 214-215 216-217 218-219 220-221 222-223 224-225 226-227 228-229 230-231 232-233 234-235 236-237 238-239 240-241 242-243 244-245 246-247 248-249 250-251 252-253 254-255 256-257 258-259 260-261 262-263 264-265 266-267 268-269 270-271 272-273 274-275 276-277 278-279 280-281 282-283 284-285 286-287 288-289 290-291 292-293 294-295 296-297 298-299 300-301 302-303 304-305 306-307 308-309 310-311 312-313 314-315 316-317 318-319 320-321 322-323 324-325 326-327 328-329 330-331 332-333 334-335 336-337 338-339 340-341 342-343 344-345 346-347 348-349 350-351 352-353 354-355 356-357 358-359 360-361 362-363 364-365 366-367 368-369 370-371 372-373 374-375 376-377 378-379 380-381 382-383 384-385 386-387 388-389 390-391 392-393 394-395 396-397 398-399 400-401 402-403 404-405 406-407 408-409 410-411 412-413 414-415 416-417 418-419 420-421 422-423 424-425 426-427 428-429 430-431 432-433 434-435 436-437 438-439 440-441 442-443 444-445 446-447 448-449 450-451 452-453 454-455 456-457 458-459 460-461 462-463 464-465 466-467 468-469 470-471 472-473 474-475 476-477 478-479 480-481 482-483 484-485 486-487 488-489 490-491 492-493 494-495 496-497 498-499 500-501 502-503 504-505 506-507 508-509 510-511 512-513 514-515 516-517 518-519 520-521 522-523 524-525 526-527 528-529 530-531 532-533 534-535 536-537 538-539 540-541 542-543 544-545 546-547 548-549 550-551 552-553 554-555 556-557 558-559 560-561 562-563 564-565 566-567 568-569 570-571 572-573 574-575 576-577 578-579 580-581 582-583 584-585 586-587 588-589 590-591 592-593 594-595 596-597 598-599 600-601 602-603 604-605 606-607 608-609 610-611 612-613 614-615 616-617 618-619 620-621 622-623 624-625 626-627 628-629 630-631 632-633 634-635 636-637 638-639 640-641 642-643 644-645 646-647 648-649 650-651 652-653 654-655 656-657 658-659 660-661 662-663 664-665 666-667 668-669 670-671 672-673 674-675 676-677 678-679 680-681 682-683 684-685 686-687 688-689 690-691 692-693 694-695 696-697 698-699 700-701 702-703 704-705 706-707 708-709 710-711 712-713 714-715 716-717 718-719 720-721 722-723 724-725 726-727 728-729 730-731 732-733 734-735 736-737 738-739 740-741 742-743 744-745 746-747 748-749 750-751 752-753 754-755 756-757 758-759 760-761 762-763 764-765 766-767 768-769 770-771 772-773 774-775 776-777 778-779 780-781 782-783 784-785 786-787 788-789 790-791 792-793 794-795 796-797 798-799 800-801 802-803 804-805 806-807 808-809 810-811 812-813 814-815 816-817 818-819 820-821 822-823 824-825 826-827 828-829 830-831 832-833 834-835 836-837 838-839 840-841 842-843 844-845 846-847 848-849 850-851 852-853 854-855 856-857 858-859 860-861 862-863 864-865 866-867 868-869 870-871 872-873 874-875 876-877 878-879 880-881 882-883 884-885 886-887 888-889 890-891 892-893 894-895 896-897 898-899 900-901 902-903 904-905 906-907 908-909 910-911 912-913 914-915 916-917 918-919 920-921 922-923 924-925 926-927 928-929 930-931 932-933 934-935 936-937 938-939 940-941 942-943 944-945 946-947 948-949 950-951 952-953 954-955 956-957 958-959 960-961 962-963 964-965 966-967 968-969 970-971 972-973 974-975 976-977 978-979 980-981 982-983 984-985 986-987 988-989 990-991 992-993 994-995 996-997 998-999 1000-1001 1002-1003 1004-1005 1006-1007 1008-1009 1010-1011 1012-1013 1014-1015 1016-1017 1018-1019 1020-1021 1022-1023 1024-1025 1026-1027 1028-1029 1030-1031 1032-1033 1034-1035 1036-1037 1038-1039 1040-1041 1042-1043 1044-1045 1046-1047 1048-1049 1050-1051 1052-1053 1054-1055 1056-1057 1058-1059 1060-1061 1062-1063 1064-1065 1066-1067 1068-1069 1070-1071 1072-1073 1074-1075 1076-1077 1078-1079 1080-1081 1082-1083 1084-1085 1086-1087 1088-1089 1090-1091 1092-1093 1094-1095 1096-1097 1098-1099 1100-1101

ADMISSION NO: _____

ATTN: Raymond C. DeLoach

11751. Thermal stability of polymer compounds : 11751. Kline, J. L.

10/20/2014 11:44 AM

TOPIC: FARM, AGRICULTURE, RURAL, AND FOREST
Antiwear abilities, chemical stability, and
ability

ABSTRACT: A review of the literature on the effects of the
 BODIES IN THE... is...
 This is...
 effect of the...
 1965...
 of...
 in...
 1961...
 1961...
 the...
 A...

Card 1/3

L 25630-66 EWT(m)/EWP(w)/T/EWP(t) JD/DJ

ACC NR: AP0015646

(A)

SOURCE CODE: UR/0413/66/000/009/0055/0055

INVENTOR: Ravikovich, A. M.; Zolotova, I. D.; Garzanov, G. Ye.; Vinner, G. G.;
Petyakina, Ye. I.; Obieukhova, O. S.; Borshchevskiy, S. B.; Bagryantseva, P. P.

ORG: none

TITLE: Preparative method for antiwear additives.¹¹ Class 23, No. 181223

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 55¹⁸

TOPIC TAGS: antiwear additive, monoolefin polymer, sulfurization

ABSTRACT: An Author Certificate has been issued for a preparative method of antiwear additives by sulfurization of monoolefin polymers at 140—180C. [B0]

SUB CODE: 11/ SUBM DATE: 16Jul64/ ATD PRESS: 4255⁻

L 01800-01 ENI(M)/1 DU

ACC NR: AP6030592 (AN) SOURCE CODE: UR/0413/66/000/016/0074/0074

INVENTOR: Garzanov, G. Ye.; Petyakina, Ye. I.; Bagryantseva, P. P.;
Shames, F. Ya.; Ravikovich, A. M.; Boshchevskiy, S. B.; Maloletkov, Ye. K.;
Selivanchik, Ya. V.; Gusman, M. Ye.; Skvirskiy, P. A.; Aver'yanov, V. A.;
Uzunkoyan, P. N.; Pisarchik, A. N.; Mikhaylov, Yu. A.; Belogradskiy, A. P.;
Bayevskiy, F. S.; Fomin, N. I.

ORG: none

TITLE: Method of obtaining a hydraulic lubricant. Class 23, No. 185000.
 [Announced by the Scientific Research Institute for Organization, Mechanization,
 and Technical Assistance to Construction (Nauchno-issledovatel'skiy institut
 organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966,
 74

TOPIC TAGS: lubricant, lubricant additive, antioxidant additive, polymethacrylate,
 hydraulic lubricant

ABSTRACT: An Author Certificate has been issued for a method of obtaining a
 hydraulic lubricant by means of additives with an oil base. To expand the operat-
 Card 1/2 UDC: 621.892.8:621.226

ACC NR: AP6030592

ing temperature range of oil a mixture of commerical oil and diesel-oil residue are taken as the oil base to which a multifunctional additive is added, such as EFO, an antioxidant agent, such as octadecylamine, and a depressing agent, such as a polymethacrylate. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 25May65/.

Card 2/2

LEYDERMAN, I.L.; BAGRYANTSEVA, T.N. (Angarsk)

Case of systemic lupus erythematosus with elements of periarteritis nodosa. Klin.med. 40 no.5:130-131 '62. (MIRA 15:8)

1. Iz terapevticheskogo otdeleniya Mayskogo lachebnogo ob"yedineniya (glavnyy vrach L.B. Kotlyarova).
(LUPUS ERYTHEMATOSUS) (PERIARTERITIS NODOSA)

LEYDERMAN, I.L.; BAGRYANTSEVA, I.N.

Case of Schoenlein-Henoch's disease with aortic lesions. Probl.
gemat. i perel. krovi 9 no.8:50-52 Ag '64.

(MIRA 18:3)

BAGRYANTSEVA, Z.A., inzh.; KRAVCHENKO, Ya.S., inzh.

Indicator devices for locating the position of the actuating mechanism of a rotary excavator. Gor.zhur. no.3:58-60 Mr '65.

(MIRA 18:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti UkrSSR.

Bagryatskiy, Yu. A.

BAGRYATSKIY, Yu. A.; TYAPKIN, Yu. D.

Relationship between diffusion and lattice rearrangement during
the decomposition of supersaturated solid solutions in alloys.
Dokl. AN SSSR 115 no. 6:1111-1114 Ag '57. (MIRA 11:1)

1. Institut metallovedeniya i fiziki metallov Tsentral'nogo nauchno-
issledovatel'skogo instituta chernoy metallurgii. Predstavleno
akademikom G. V. Kurdyumovym.

(Alloys--Metallography)

RAGURIN, N.V.

Improving the deasphalting process in obtaining residual from
eastern oils. Neftianik 2 no.4:12-14 Ap '57. (MLRA 10:5)

1. Nachal'nik ustanovki deasfal'tizatsii Novoufimskogo neftepererabatyvayushchego zavoda.
(Petroleum--Refining)

BAGUROV, V.

AID - P-30

Subject : USSR/Aeronautics
Card : 1/1
Author : Bagurov, V., Lt. Col. Engineer
Title : Maintenance of Jet Aircraft on Airfields without Artificial Runways
Periodical : Vest. vozd. flota, 2, 55 - 58, February 1954
Abstract : The soil, the grading of the surface and the runways of the field are described in a general way. Some details are given on the so-called "Lovushki" which consist of 40 cm - 45 cm depressed areas at the end of the runways, intended to increase the security of the landing. The choice of the stand for aircraft is described in detail. The description of the specific conditions of taxiing, take-off, and landing on airfields without artificial runways follows. The author concludes by describing the requirements of maintenance under these conditions.
Institution : None
Submitted : No date

BAGUROVA, V.L.

Modification of the suture in Shturmdorf's amputation of the uterine cervix. Akush. i gin. 33 no.2:94-96 Mr-Apr '57. (MLRA 10:6)

1. Iz akushersko-ginekologicheskogo otdeleniya (nach. V.L.Bagurova) Rostovskoy dorozhnoy bol'nitsy (nach. G.I.Tregubov) Severo-Kavkazskoy zheleznoy dorogi.

(CERVIX, UTERINE, surg.
amputation & modified suture)

BAGURZOV, N.P., arkhitektor; LANDAU, L.G., arkhitektor; KATSMAN, D.S.,
inzh.; LUPAKOV, I.A., inzh.

Range for using industrial buildings without montors. Prom.
stroi. 40 no.4:21-27 '62. (MIRA 15:5)
(Factories—Design and construction)

TYURIN, Viktor Leonidovich, kand. tekhn. nauk, dots.; LISTOV,
Vladimir Nikolayevich, doktor tekhn. nauk, prof.;
Prinimali uchastiye: SEMENYUTA, N.F., inzh.; D'YAKOV,
D.V., inzh.; MIKHNOVICH, B.P., kand. tekhn. nauk, dots.;
ANISIMOV, N.K., dots.; BAGUTS, V.P., assistant; NOVIKAS,
M.N., red.

[Telecommunication] Dal'niaia sviaz'. Izd.3., perer. i
dop. Moskva, Transport, 1964. 470 p. (MIRA 17:12)

RAGUZIN, A.M., gornyy inzhener.

Mining equipment in the mine of the near future. Ugol' 31 no.5:
33-34 My '56. (MLRA 9:8)
(Coal mines and mining--Equipment and supplies)

BAGUZIN, A. M.

Baguzin, A. M.

"Investigation of the Basic Processes of Extraction in Lava of Anthracite Mines in Order to Develop Technical Measures to Improve the Output of Large Types of Fuel." Min Higher Education USSR. Dnepropetrovsk Order of Labor Red Banner Mining Inst imeni Artem. Dnepropetrovsk, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis': No, 27, 2 July 1955.

NAVROTSKIY, I.V.; BAGUZIN, V.I.; TOMENKO, Yu.S.

Effect of certain factors on the impact strength of various
types of specimens. Zav. lab. 30 no.1:81-85 '64.

(MIRA 17:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov.

ABSTRACTION NR. AP450119 S/0032/65/031/001/0100/0103

AUTHORS: Mazuzin, V. I. Navrotsky, I. V.

TITLE: To the question of determining the temperature of brittleness in impact strength testing

KEYWORDS: Impact strength; Brittness; V. I. Mazuzin; I. V. Navrotsky

TEXT: This paper is devoted to the question of determining the temperature of brittleness in impact strength testing of steel. It is shown that the temperature of brittleness is a function of the impact energy and the impact strength.

The authors have conducted a series of experiments on the determination of the temperature of brittleness in impact strength testing of steel. It is shown that the temperature of brittleness is a function of the impact energy and the impact strength. The authors have also conducted a series of experiments on the determination of the temperature of brittleness in impact strength testing of steel. It is shown that the temperature of brittleness is a function of the impact energy and the impact strength.

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1. 1014-1-1

ACCESSION NR: AP5000175

tested according to Devlunkev's methods. One of factories prepared the specimens, various shapes, sizes, and preparation procedures of which were used. Results of the physical test measurements are shown in figures 1, 2, and 3 on the Enclosures. (Enclosures have 1 figure and 1 table)

Approved by: "Ukrainkyi nauchno-doslidnyi instytut metaliv" (Ukrainian Scientific Research Institute of Metals)

1. 1014-1-1

1. 1014-1-1

SUB CODE: 001

NUMBER: 001

NUMBER: 001

ADMISSION NO: 44-38861

ENCLOSURE 1

11-11-11

11-11-11

11-11-11

Test Temperature °C

11-11-11

11-11-11

11-11-11

11-11-11

11-11-11

ATTENTION: ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

ENCLOSURE 2 - 2

[illegible]

BAGUZOV, N. P.
USSR/Heavy Industry

4406.0100

Nov 1947

"Planning of Industrial Enterprises during the Years of Soviet Power,"
Prof L. A. Serk, M. G. Kostyukovskiy, Engr. N. P. Baguzov, Archt, 4 pp

"Stroitel Prom" Vol XXV, No 11

Describes growth of heavy industrial enterprises during four Five-Year Plans from construction standpoint. Gives sketches of general view of Stalingrad tractor plant, body and fender shop of automobile plant imeni Stalin, general view of Chelyabinsk tractor plant, open-hearth shop of Orsk metallurgical combine, Thomas (method of steel production) shop of plant imeni Sergo Ordzhonikidze, large-scale foundry of Ural railroad car construction plant, rolling mill of Azovstal'.

LC

16050

BAGUZOV, N. P.

Architecture in Soviet Industrial Construction, Prof. L.A.Serk; M.G.Kostyukovskiy, Engr.; N.P.Baguzov, Architect. Vest. Inzhner. i Tekhn., No 1, 4 pp., Jan 48.

The October Revolution changed the USSR from an agricultural country into one of the leading industrial nations of the world. At the same time, there was great increased demand for new industrial buildings to house the rapidly expanding industry. Briefly describes victories achieved over architectural problems created by this new role of the Soviet Union.

62T10

BAGUZOV, N. P.

"One-Story Industrial Structures Without Overhead Skylights (Skylightless Structures)." Cand Tech Sci, Central Sci-Res Inst of Industrial Structures, 17 Nov 54. (VII, 5 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

RAGUZOV, N.P., arkhitektor; DOBROMYSLOV, N.S., arkhitektor; LURNIN, A.I.,
inzhener.

Wall and floor design for basic steel works. Stroi.prom. 32 no.12:
17-21 D'54. (MIRA 8:3)
(Metallurgical plants)(Walls)(Floors)

BAGUZOV, N.P., arkhitektor; STUPIN, Ye.N., inzhener

Conference of planning organizations of the Ministry of Construction
Work of the Metallurgical and Chemical Industries. Stroi.prom.33
no.8:45-46 Ag'55. (MIRA 8:11)
(Moscow--Construction industry--Congresses)

BAGUZOV, N. P.

OSTROVSKOGO, M. Ye., LANDAU, L. G. - Arkhitektor, IL'INSKIY, N. P. - Arkhitektor,
BAGUZOV, N. P. - Arkhitektor

Vsesoyuznaya kontora tipovogo proyektirovaniya i tekhnicheskikh issle dovaniy
(KTIS) Mintyashstroya

Analiz proyektnykh resheniy proizvodstvennykh zdaniy za 1948-1949 gg. Page 65

SO: Collection of Annotations of Scientific Research Work on Construction, completed
in 1950. Moscow, 1951

BAGUZOV, N.P., kandidat tekhnicheskikh nauk.

Work results of planning organizations for introducing precast
reinforced concrete construction. Stroi.prom. 34 no.11:2-5 N
'56. (MLRA 9:12)

(Precast concrete construction)

BAGUZOV, N.P.
GUSEV, F.I., inzh.; BAGUZOV, N.P., arkhitektor.

Designing industrial enterprises and apartment houses during
the years of the Soviet regime. Stroi.prom. 35 no.10:9-16 0 157.

(MIRA 10:10)

(Architecture--Designs and plans--History)

BAGUZOV, N.P., kand. tekhn. nauk

Planning industrial buildings. Prom. stroi. 37 no.1:18-21 Ja '59.
(MIRA 12:1)

1.Glavstroyproyekt pri Gosstroye SSSR.
(Industrial buildings)

BAGUZOV, N.P., kand.tekhn.nauk

Planning and building machinery manufacturing enterprises in
Czechoslovakia. Prom stroi. 37 no.5:53-59 My '59.
(MIRA 12:7)

(Czechoslovakia--Machinery industry)
(Factories--Design and construction)

BAGUZOV, N.P., arkhitektor

Fifth Plenum of the Board of the Union of Architects of the U.S.S.R.
Prom. stroi. 37 no.11:60-62 N '59. (MIRA 13:2)
(Construction industry)

TREPENENKOV, Roman Isidorovich, dots., kand. tekhn. nauk; SHTAYEFMAN, M.Ya.,
prof., doktor tekhn. nauk, retsenzent; DOVZHIK, G.A., inzh., retsen-
zent; BAGUZOV, N.P., kand. tekhn. nauk, nauchnyy red.; YEGOROVA, I.O.,
red. izd-va; NAUMOVA, G.D., tekhn. red.

[Album of drawings of structural elements and details of industrial
buildings] Al'bom chertezhei konstruksii i detalei promyshlennykh
zdanii. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. ma-
terialam, 1961. 91 p. (MIRA 14:12)
(Industrial buildings) (Building--Details)

BAGUZOV, N.P., arkhitektor; IGOSHIN, N.M., inzh.

Substantial lags in setting up a series of planning organizations.
Prom. stroi. 39 no.3:25-27 '61. (MIRA 14:4)
(Construction industry)

BAGUZOV, N. P.; KORNILOV, N. V.

Unified standard sections and standard spans for industrial
construction. Prom stroi 41 no. 12:6-12 D '63. (MIRA 17:5)

BAGUZOV, N.P.

Designing industrial building in the United States. Prom.
stroil. 42 no.1:45-48 '65. (MIRA 18:3)

BAGUZOVA, N. P.

BAGUZOVA, N. P. - ARKH. 1, OSTROVSKIY, M. YE. - Arkh., KOSTYUKOVSKOGO, M. G. - Inzh.

Vsesoyuznaya kontora tipovogo proyektirovaniya i tekhnicheskikh issle dovaniy
(VTIS) Mintyazstroya

Osnovnyye polozheniya po proyektirovaniyu odnoetazhnykh promyshlennykh zdaniy
dlya bloka tsekhov kholodnoy obrabotki metalla zabodov Legkogo i srednego
mashinostroyeniya

Page 64

SO: Collection of Annotations of Scientific Research Work on Construction,
completed in 1950. Moscow, 1951

ENYEDI, Bela; BENCZ, Gyozo; BAGYINSZKI, Ferenc

A new method for determining the nitrogen content of calcium ammonium nitrates. Supplement Analitikai Kozlemenyek 7 no.1:131-134 '61.

1. Borsodi Vegyi Kombinat(for Enyedi). 2. Vegyipari Technikum, Kazincbarcika(for Bencz and Bagyinszki)

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103020007-8



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103020007-8"

151640
GYONGYOSSY, A.; BAGYO, L.

Intravenous anesthesia with evipan solution and blood. Orv. hetil. 94
no. 41:1135-1138 11 Oct 1953. (CML 25:5)

1. Doctors. 2. Obstetric and Gynecological Clinic (Director -- Prof.
Dr. Sandor Arvay) and First Surgical Clinic (Director -- Prof. Dr. Janos
Loessi) of Debrecen Medical University.

FEDOTOV, P.V.; BAGYSHBEKOV, A.B.

Experimental effect of acidophil milk on certain protective functions
of the organism. Report No.1. Sov. zdrav. Kir. no.1:30-33 Ja-F '62.
(MIRA 15:4)

1. Iz Kirgisskogo instituta epidemiologii, mikrobiologii i gigiyeny
(direktor - kand.med.nauk V.M.Pereygin).

(MILK, ACIDOPHILUS--PHYSIOLOGICAL EFFECT)

BAGZA, M.I., inzh.

Using lightweight cement-ash mortars for the grouting of
ventilation shafts, sunk by drilling. Shakht. stroi. 9
no. 12:19-20 D '65. (MIRA 18:12)

1. Trest shakhtnoy geologii tekhnicheskogo bureniya, Donetsk.

BAHDANECKY

CZECHOSLOVAKIA/Atomic and Molecular Physics - Physics of High Molecule D-9
Substances

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 3338

Author : Bahdanecky Moloslay, Exner Josef

Inst : Higher Institution for Synthetic Coatings and Lacquers,
Pardubice- Czechoslovakia

Title : Dependence of the Viscosity of Polymer Solutions on the Con-
centration. Influence of Non-Newtonian Flow

Orig Pub : Chem. listy, 1957, 51, No 6, 1029-1935

Abstract : An investigation of the non-newtonian flow of dilute solutions of polymethylmetacrylate has shown that the so-called Martin and Schultz constant does not depend on the molecular weight at $\gamma = 0$, and when the velocity gradient does not vanish (is constant or variable), the constant increases with molecular weight and with the velocity gradient. It follows from this dependence that these constants have only a limited application in the investigation of branched macromolecules.

Card : 1/1

BAHCEVANDZIEV, S.

Light circles on reflective or transparent surfaces. Bilten
mat fiz Mak 11:17-20 '60.

1. Physical Institute, Skopje.

BAHCEVANDZIEV, S.; RISTOV, M.

A demonstration for the explanation of the concept of reduced length. Bilten mat fiz Mak 11:21-25 '60.

1. Fizicki institut, Skopje.

BARCEVANDZIEV, Slavco (Skopje)

Zone-plate astigmatism in case of inclines fall. Glas mat
fiz Hrv 16 no.3/4:275-281 '61.

1. Faculty of Science, Skopje.

BAHCEVANDZIEV, S.

Properties of zone grids. Bul sc Young 7 no.4/5:112-113 Ag-0 '62.

1. Prirodno-matematski fakultet, Skopje.

BAHENSKY, V.; MACHACEK, M.; PRUSEK, J.

Reduction of water consumption in surface finishing industries.
Vodni hosp 13 no.6:224-226 '63.

1. Statni vyzkumny ustav ochrany materialu, Praha.

BAHENSKY, Vladimir

Distr: 4E2c 27

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On boiling $K_2Cr_2O_7$, CrO_3 , and $(NH_4)_2Cr_2O_7$ up to 4 hrs. in
concd. H_2SO_4 , green-gray microcryst. products were formed
having the following formulas: $3Cr_2(SO_4)_3 \cdot SO_3$, $Cr_2(SO_4)_3 \cdot$
 SO_3 , and $3Cr_2(SO_4)_3 \cdot 2H_2SO_4 \cdot 3H_2O$, resp; M. Hudlický

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S/196/62/000/012/016/016
E194/E155

T.
AUTHOR: Bahn, Rolf

TITLE: A method of making heaters for operating
temperatures above 1400 °C

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,
no.12, 1962, 15, abstract 12 K83. P. ('Verfahren
zur Herstellung eines Werkstoffes fuer Heizelemente
fuer Temperaturen oberhalb 1400 °C'. East German
Patent kl. 21 h, 1, 2/02, No.21499, 27.06.61).

TEXT: Electric furnaces for temperatures up to 1600 °C use
heaters of molybdenum disulphide. They are stable against
oxidation, but their low specific resistance causes overloading
of both furnace transformers and the current leads; the current
in a single heater is 200-250 A. To increase the resistance of
the heaters chromium diboride (CrB₂) is included in their
composition. It is known from published data that the addition
of 15% CrB₂ increases the resistance of the heaters by a factor
of 10. However, complexity of the method of producing CrB₂ in
East Germany limits the possible use of this additive.
Card 1/2 ✓

A method of making heaters for ...

S/196/62/000/012/016/016
E194/E155

It is proposed to add instead chemically-pure fine-grained silicon carbide (grain size up to 3 microns). The additive may amount to 30-60% by weight of the heater and the organic binder may be Zillin or Vynalit. The finished heaters must be fired in a neutral atmosphere at a temperature of 1800 °C. A vitreous protective film then forms on the surface. The gas recommended for the annealing process consists of two-thirds hydrogen and one-third nitrogen. ✓

[Abstractor's note: Complete translation.]

Card 2/2

BAHNA I. Cdd. pre biochemiu mikroorganizmov mikrobiologického odboru Statneho zdravotnickeho ustavu, oblastny ustav pre Slovensko v Bratislave. V yskum selectivne baktericidneho ucinku chloridu kademnatého na pseudodifteritické korynebacteria a jeho uzitie v laboratornej diagnostike difterie The selective bactericidal action of cadmium on the pseudodiphtheritic corynebacteriu, and its use in the laboratory diagnosis of diphtheria Časopis lekaru ceskych, Prague 1950, 39/22 (629-630) Tables 1

A laboratory diagnosis of diphtheria based on the selective bacteriostatic action of tellurite is assisted by the preliminary action of cadmium chloride. The growth of *C. hofmanni* is thus approximately halved, but that of *C. diphtheriae* remains unaffected. This is particularly useful in the examination of material from carriers and convalescents.

Symon - Brno

So: Medical Microbiology & Hygiene Section IV, Vol. 3, No. 7-12